Amendments to the Claims

1. (Original) A method for optimizing tag based protocol stream parsing, using a reference tag table comprising at least one tag and a corresponding function name, said method comprising, each time a tag is read from said tag based protocol stream, the steps of:

- comparing said read tag and the tags of said reference tag table and,

- if said read tag belongs to said reference tag table, determining if a function name is associated to said tag belonging to said reference tag table and,

- if a function name is associated to said tag belonging to said reference tag table, executing the function corresponding to said function name associated to said tag belonging to said reference tag table.

2. (Original) The method of claim 1 wherein said reference tag table further comprises at least one attribute name associated to said at least one tag, the function corresponding to said function name associated to said tag belonging to said reference tag table being executed only if said attribute name is associated to said read tag in said tag based protocol stream.

3. (Original) The method of claim 2 wherein said attribute name associated to said read tag is associated to a value, said value being used as a parameter by the function corresponding to said function name associated to said tag belonging to said reference tag table.

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4. (Currently Amended) The method of ~~either~~ claim 2 ~~or claim 3~~ wherein a same tag is associated to several set~~s~~ of attributes in said reference tag table.

5. (Currently Amended) The method of ~~any one of claims~~ claim 1 ~~to~~ 4 wherein the function corresponding to said function name associated to said tag belonging to said reference tag table comprises a skip function that allows ~~the~~ a parser to skip a determined amount of data following said read tag, the amount of data being either predetermined or being determined by an attribute value.

6. (Currently Amended) The method of ~~any one of claims~~ claim 1 ~~to~~ 5 wherein the function corresponding to said function name associated to said tag belonging to said reference tag table comprises a save function that associates, in memory, a determined amount of data following said read tag to a predetermined label or to a label being given as an attribute value.

7. (Currently Amended) The method of ~~any one of the previous claims~~ claim 1 wherein said tag based protocol stream is an eXtensible Markup Language (XML) stream.

8. (Currently Amended) The method of claim 7 wherein said reference tag table is associated to ~~the~~ a Document Type Definition defined in said XML stream.

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9. (Currently Amended) An apparatus comprising means adapted for carrying out the method according to ~~any one of the claims~~ <u>claim</u> 2 ~~to 8~~.

10. (Currently Amended) A computer-like readable medium comprising instructions for carrying out the method according to ~~any one of the claims~~ <u>claim</u> 2 ~~to 8~~.

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